

**IDENTIFIKASI SENYAWA AKTIF, UJI TOKSISITAS AKUT DAN TERATOGENIK
MINYAK VOLATIL KUNYIT
(CURCUMA DOMESTICA VAL) PADA MENCIT**

*Identify Active Component Of Volatile Oil Of Curcuma Domestica Val ,Analyse Acute
Toxicity And Teratogenic In Mice.*

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ABSTRACT

This research was aimed to identify active component of volatile oil of curcuma domestica val by Gas Chromatography and Mass Spectrometry (GCMS), analyse acute toxicity and teratogenic in mice. The results were : Volatile oil of curcuma domestica (Curcuma domestica, val) has four fraction of active component such as 1-Phellandrene ($C_{10}H_{16}$) 9%, 1,8 Cineole ($C_{10}H_{18}O$) 4,58%, AR-Turmeron ($C_{15}H_{20}O$) 31%, dan Bicyclo 17% ($C_9H_{14}O$). Acute toxicity test of volatile oil in mice indicated non-toxicity. Teratogenic test of volatile oil in mice showed there were no abnormalities on foetus or it is teratogenic safe. It is suggested that the deeper research on the influence of curcuma domestica volatile oil in proinflammation factor in arthritis and isolation of active fraction in volatile oil of curcuma domestica.

Key words : *Curcuma domestica val, GCMS, Volatile Oil, Acute Toxicity, Teratogenic*

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